

AUTO OWNERS' SUPPLY BOOK

1930

Mid-Summer Sale!



Western Auto Supply Co. INC.

130 BROOKLINE

(TELEPHONE
KENMORE 2168)

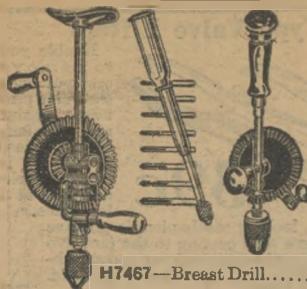
Big Retail and Mail Order Store
Drive-in Service--Open 7:30 A. M. to 9 P. M.

125 FEDERAL ST.

Downtown Retail Store
Open 7:30 A. M. to 7:00 P. M.

BOSTON, MASSACHUSETTS

Cambridge Store---688 Massachusetts Avenue



H7467—Breast Drill. 2.65

FAVORITE HAND DRILL
(Right Illustration)

Hollow wooden handle which will hold the 8 small drills listed below. Small side handle permits using as a hand drill or a light breast drill. Chuck is 3-jawed, strong, and holds round drills up to $\frac{1}{4}$ ". Furnished without drills.

H7475—Favorite Hand Drill, less drills 1.18

H7474—Set of 8 small drills (running in $\frac{1}{4}$ " bits from $\frac{1}{8}$ " to $\frac{1}{4}$ ") for use on wood or thin metal 26

GOODELL-PRATT AUTOMATIC DRILL
(Illustrated at Center)

Just pushing on the handle causes the bit to revolve and drill rapidly. Nickel-plated, 10 inches long, large handle which is also magazine to hold the 8 special all-purpose bits furnished; sizes $\frac{1}{16}$ ", $\frac{1}{16}$ ", $\frac{1}{16}$ ", $\frac{1}{16}$ ", $\frac{1}{16}$ ", $\frac{1}{16}$ " and $\frac{1}{16}$ ".

H7465—Automatic Drill complete with 8 bits 1.45

H7466—Set of 8 Special Bits only 48

Drill Bits

Good carbon steel, scientifically shaped points carefully sharpened. First grade, brand-new, no seconds.

Round Shank Bits

No.	Diam.	Length	Price	No.	Diam.	Length	Price
K7940	$\frac{1}{16}$ "	$\frac{1}{2}$ "	.08	K7948	$\frac{1}{16}$ "	$\frac{1}{2}$ "	.20
K7941	$\frac{1}{16}$ "	$\frac{1}{2}$ "	.09	K7949	$\frac{1}{16}$ "	$\frac{1}{2}$ "	.22
K7942	$\frac{1}{16}$ "	$\frac{3}{4}$ "	.09	K7950	$\frac{1}{16}$ "	$\frac{5}{8}$ "	.24
K7943	$\frac{1}{16}$ "	$\frac{3}{4}$ "	.10	K7951	$\frac{1}{16}$ "	$\frac{5}{8}$ "	.30
K7944	$\frac{1}{16}$ "	$\frac{3}{4}$ "	.12	K7952	$\frac{1}{16}$ "	$\frac{5}{8}$ "	.35
K7945	$\frac{1}{16}$ "	$\frac{3}{4}$ "	.12	K7953	$\frac{1}{16}$ "	$\frac{5}{8}$ "	.42
K7946	$\frac{1}{16}$ "	$\frac{4}{5}$ "	.12	K7954	$\frac{1}{16}$ "	$\frac{6}{7}$ "	.54
K7947	$\frac{1}{16}$ "	$\frac{4}{5}$ "	.17				

Square Shank Bits

J7900	$\frac{1}{16}$ "	$\frac{3}{8}$ "	.10	J7904	$\frac{1}{16}$ "	$\frac{3}{8}$ "	.28
J7901	$\frac{1}{16}$ "	$\frac{3}{8}$ "	.12	J7905	$\frac{1}{16}$ "	$\frac{3}{8}$ "	.34
J7902	$\frac{1}{16}$ "	$\frac{4}{5}$ "	.16	J7906	$\frac{1}{16}$ "	$\frac{3}{8}$ "	.39
J7903	$\frac{1}{16}$ "	$\frac{5}{16}$ "	.22	J7907	$\frac{1}{16}$ "	$\frac{7}{16}$ "	.54

"Easy-Out" Screw Extractor

For removing broken bolts, cap screws, set screws, etc.

Simply drill a hole in broken screw, insert "Easy-Out", and twist to the left and the screw comes out easily without injury to threads. Length about $\frac{3}{4}$ in.

S302—Complete set of the three shown below 1.95

H7597—Easy-Out Extractor 65

H7598—Easy-Out Extractor $\frac{1}{4}$ " 78

H7599—Easy-Out Extractor95



1.28 Handy Tool Grinder

For Garage or Household Use

A good grinder is really a necessity in every garage or home. Our grinder is absolutely highest quality throughout. Height, 8 inches, strong clamp; easy operating, best emery wheel, 4 inches. Finished in high-grade enamel.

H7587—Handy Tool Grinder 1.28

H7594—Replacement emery wheel for our "Handy" and others. 4" diameter, $\frac{1}{4}$ " thick with $\frac{1}{4}$ " hole68

H7593—Replacement emery wheel for many other tool grinders. 4" diameter, 1" thick with 1" hole78

Sharpening Stones

Good quality carbonundum of proper shape for easy handling, 8" long by $1\frac{1}{2}$ " thick. (Illustrated).

H7337—Sharpening Stone .25

H7348—Pocket hone, fine emery, for pocket and household knives, size $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " 18

Drills

BREAST DRILL

(Left Illustration)

Has 2 gear speeds, even and 3-1. Has a ball-bearing thrust.

Breast plate adjustable, crank is extensible from 4 to 7 inches. Has three-jaw Star Chuck, for round shank drills up to $\frac{1}{4}$ ". Nicely finished. Length $18\frac{1}{2}$ ".

Tap and Die Sets

IN SLIDE COVER WOODEN BOX

H7303—Tap and Die (Illustrated) 5 S. A. E. tap and dies to match in following sizes, $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ and $\frac{1}{2}$ " and 1 Die stock 8" long, diameter; and 1 adjustable tap and reamer wrench.

H7303—Set of 5 taps and dies 1.1

H7298—Tap and Die (not illustrated) contains parts listed in above set, and dies in the same sizes.

gather with 5 U. S. S. tap complete set for any shop, farm or home.

H7298—Sets of 10 taps and dies 3.1

Adjustable Reamers



4. Staggered blades that prevent chattering.
5. "Spiral-cut" that gives a shearing cut—much cleaner.
6. Interchangeable blades; replacement easy.

Adjustable Blades

	Adjustable	Blades	Length	Each
J7835A	Reamer	$1\frac{1}{2}$ " to $1\frac{1}{8}$ "	$2\frac{3}{4}$ "	$5\frac{1}{2}$ "
J7835B	Reamer	$1\frac{1}{2}$ " to $1\frac{1}{8}$ "	$2\frac{3}{4}$ "	6"
J7835C	Reamer	"	$2\frac{3}{4}$ "	$6\frac{1}{2}$ "
J7835D	Reamer	"	$2\frac{3}{4}$ "	$7\frac{1}{2}$ "
J7835E	Reamer	"	$3\frac{1}{2}$ "	$7\frac{1}{2}$ "
J7835F	Reamer	"	$3\frac{1}{2}$ "	8 "
J7835G	Reamer	"	$3\frac{1}{2}$ "	$8\frac{1}{2}$ "
J7835H	Reamer	"	$1\frac{1}{8}$ " to $1\frac{1}{4}$ "	9 "

S303—Complete Set of all 8 adjustable reamers in a compact wooden box with compartments, Regular \$36.80 value 24.



Cotter Pin Assortment

Box of about 100 cotter pins, various sizes, assorted to meet the demands of auto use.

J7603—Box10

Genuine Campbell Cotter Pins

Self-spreading, pointed-end cotter pins. Lock themselves in place by merely inserting and driving on head until the points are even. Assortment averages 100 cotters, twelve sizes, in handy metal screw-top box.

J7500—Per box 1.7



Lock Washer Assortment

About 40, including practically the sizes in common use on automobiles.

J7606—Lock Washer Assortment10

"Never-Slip" Lock Washers

$\frac{1}{4}$ -inch hole, made with corrugated surfaces on both sides, so nuts cannot work loose. Especially valuable in replacing engine base and transmission cover bolts on Ford cars.

J7608—Package of 2 dozen washers10



Assortments of Stove Bolts

A handy assortment of round stove bolts for general use. Contain 30 stove bolts from $1\frac{1}{2}$ " to $1\frac{1}{2}$ ".

J7629—Stove Bolts10

"Bull Pup" Parallel Jaws**VALVE LIFTER****95c**

Special
For Chrysler,
Dodge, Essex,
Ford T, Overland,
Oldsmobile, Oakland, Pontiac, Studebaker.

Here is the best valve lifter we have ever seen at any where near our low price. Double leverage easily compresses the stiffest valve springs with one quick squeeze. Parallel lift makes jaws seat firmly. Plain Ratchet Lock is positive and holds jaws in any position. Handles are the right length to enable quick, easy work. Made of tempered cold rolled steel.

H7336—Bull Pup Valve Lifter, Universal **.95****K D Universal Valve Lifter**

This is the well known genuine K D Universal, the strongest, fastest, and best valve lifter made. It has six jaws and will service all L-head motors. Jaws remain parallel when lifting. One squeeze—the spring goes up to the right height and stays there leaving both hands free to work.

J7873—K D Universal Lifter **1.95**J7874—Special K D Lifter, for all Model A Fords. **.80**

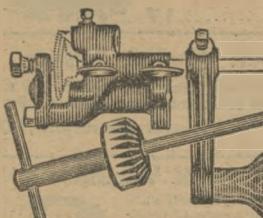
Turn to page 86 for illustration and description.

UNIVERSAL Reseater and Refacer**VALVE RESEATER**

Will operate perfectly on all cars, trucks, and tractors whose valves are not over 2 inches in diameter. It has a tempered cutting blade and 5 pilot stems of various diameters. Highest quality throughout.

H7434—Universal Valve Reseater **1.20****VALVE REFACER**

Just put in a vise, clamp valve in refacer, put the handle onto the valve, and adjust the tension. Turning the handle causes the blade to reface the valve smoothly and at exactly the correct angle (45 degrees). Easy to use, quick, and accurate. Well made in every respect. Operates perfectly on car with valves up to 2 inches in diameter.

H7435—Universal Valve Refacer **1.25**S333—Complete set of both the above tools **2.35****Genuine Sioux Reseater and Refacer****FOR MODEL T
FORDS AND
CHEVROLETS '15-26**

Fastest cutting, most accurate, safest, and most durable. Anyone can use them without damage to cylinder block or valves.

REFACER

Clamps in vise and forms a lathe. Adjusting screw for proper tension on valve. Cutting blade finest steel, held in place by set screw, may be removed for sharpening. Produces a smooth, perfect face with 45° angle.

H7398—Refacer Only, complete with directions **1.30****RESEATER**

Reams out valve seat in cylinder block with correct 45 degree angle, smoothly and cleanly. Has 15 cutting edges of high carbon steel. Will not chatter or chip cylinder block.

H7399—Reseater Only, complete with directions **1.30**S331—Complete Set of both the above tools **2.55****Lever Type Valve Lifters****17c****39c**

Enable you to remove and put back the valve pins much easier and quicker. We recommend J7870—it is a very reliable tool at a low price.

J7870—Valve Lifter, locking mechanism is positive and does not interfere with getting to the pin. No danger of accidentally tripping the lever and smashing a finger. Very stout. Points will not bend down as on cheaper lifters. **.39**

H7400—Valve Lifter, Standard design and quality, ratchet locking mechanism. For limited service. **.17**

Special Refacer and Reseater**For Ford and Chevrolet Cars****REFACER**

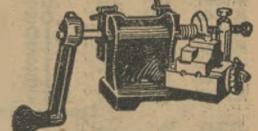
Hold in hand or vise, insert valve stem and turn, holding refacer still. Produces clean, accurate face. Cutting blade tool-steel and adjustable, accurately set. Directions furnished. H7390—Refacer, '15-26 Chev. and Model T Fords **.55**

RESEATER

Insert stem in valve stem guide and turn. Leaves a smooth seat with the correct angle. Cone is case hardened; blade is tool steel. Comes set but can be adjusted or removed for sharpening. Directions furnished.

H7391—Reseater for '15-26 Chev. and Mod. T. Fords **.55**S332—Set of both tools, H7390 and H7391 **1.05**H7401—Reseater, 1928-30 Ford Model A **.65****Universal Valve Refacing Lathe**

For valves up to 2 1/2" diameter. Circular cutting blade—many cutting surfaces. Cut at any desired angle, screw type blade-control permits fine, exact work. Cuts clean; no high or low spots, leaves no ridges. Adjustable clamps hold valve stem; adjustable tension screw and spring. Made of the best materials with exceptional workmanship and finish. For all cars including Model A Fords.

H7397—Valve Lathe, complete with directions **4.95****Genuine Clover Valve Compound**

This well-known brand has long been a favorite with motor mechanics. Extra hard, sharp, abrasive. Best grease binder. Non-magnetic and will not remain in the pores of cast iron after use. Saves both time and labor, as well as insuring best results. Packed in handy double-end air-tight screw lid box, with equal quantities of both fine and coarse.

H7445—2-oz. Clover Compound **.28**

<img alt="Illustration of the Clover Valve Compound box, showing 'CLOVER

Save on Everything for your Car, for Less, at "Western Auto" Stores

Ezy-Action Valve Grinder

FOR ALL CARS

A grinder that doesn't "wear out" your arm. Works with an up-and-down motion. Positive action, no dead center. Large grip at top makes it easy to hold in place. Will not slip from valve. Nothing to get out of order, break or wear.

Fits any valve. Universal blade. A vacuum cup attachment is also supplied for use on any type valve, including the Model A Ford.

H7392—Ezy-Action Valve Grinder .78



78c

Brace Type Universal Valve Grinder

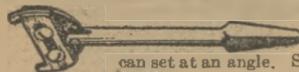


32c

A popular type of universal valve grinder. Enables operator to stand upright. Saves the back. Very strong. Has 11 inch shank and revolving head.

H7427—Brace Type Valve Grinder with 4 bits .32

Bit Brace Valve Grinder



can set at an angle. Shank fits any standard

H7389—Bit Brace Valve Grinder .16

Vacuum Cup Valve Grinder

Especially recommended for Model A Fords and other cars whose valves have no grinding holes. Handle is wood, vacuum cup is rubber. Just stick vacuum cup to valve and whirl between the palms.

H7429—Vacuum Cup Grinder .22



Swedish Steel Thickness Gauge

Made of highest quality long grain Swedish Steel. Has 9 leaves, viz.: .0015, .002, .003, .004, .006, .008, .010, .012, .015, from which an endless variety of combinations can be made. Leaves are 3 inches long.

J7879—Steel Thickness Gauge .65

J7877—6-leaf gauge, .002", .003", .004", .006", .008" and .015". Length 2 1/4 inches .37

J7880—Extra long thickness gauge, with 9-inch blades. For fitting pistons and other hard-to-reach places. Has 8 leaves, viz.: .002, .003, .004, .005, .006, .008, .010, .015. 1.35



TOOL KITS



W8390—W8395

W8394—W8389

Removable tray providing 5 small and one large receptacle. Tray 1 1/4" deep. Large, high quality lock with 2 keys. 1.28

W8394—Handy Kit, 14x6 1/2"x6". Larger than W8389, and in addition, the tray receptacles are adjustable. 1.78

W8382—Handy Kit, 20x6 1/2"x6", still larger and much stronger. See these kits at our stores 2.25

"KENNEDY" MECHANICS' TOOL KITS

Shaped like a leather bag and made throughout of prepared steel, no heavier than an ordinary grip. Genuine Yale lock, and leather covered handles with steel core. Has light-weight steel compartment tray, divided by small partitions, as shown in illustration.

W8395—Complete kit, size 18x10x13 inches 4.75

W8390—Complete kit, size 22x11x13 inches 4.95

"Bulldog" Universal Valve Grinder

FOR ALL CARS

You can grind valves with a "Bulldog" Valve Grinder, just as easily and efficiently as an expert and save money. For occasions when you will never need a better tool. Turning the handle in one direction gives the valve the forward and back motion, which is absolutely necessary to perfect valve grinding. At the same time it automatically advances the valve in its seats, alternating a full turn in one direction with a three-quarter turn in the opposite direction and insures an even grind and makes the job short and easy. Complete with short arm, long shank, four bits, one suction cup, and can be used on practically any car.

H7431—Bulldog Valve Grinder, complete .9

Genius SIOUX Valve Grinder

For the shop or the man who uses a valve grinder often, we recommend the "Sioux". It works like our "Bulldog" (above) but is extra strong and is ball bearing throughout. The name "Sioux" is guaranteed for highest quality. Complete with same shanks, arm, bits as the "Bulldog".

H7423—Extra set of 4 bits and 1 suction cup .26

H7425—Extra suction cup bit only .2

Extra Thin Tappet Wrenches

Valve Tappet Wrenches of the highest quality, made of drop-forged steel, finely finished. Thin enough to reach the tappets easily, but strong enough to meet all requirements.

H7236—Wrench, 1/8" and 1/4" openings, each .26

H7237—Wrench, 1/4" and 5/16" openings, each .26

H7238—Wrench, 5/16" and 3/8" openings, each .26

H7239—Wrench, and 1/2" openings, each .26



Brass Thickness Gauge

For spacing valve tappets, neto points, etc. Has 9 leaves .002, .003, .004, .005, .006, .007, .010, .032. Made of high quality brass.

J7889—Brass Folding Thickness Gauge .26

Valve Grinding Spring

You can do a better job, quicker and easier, if you have one of our valve grinding springs to put under the valve.

B5254—Valve-grinding Spring .26

Running Board Tool Boxes

Made of heavy gauge steel, finished in hard baked black enamel.

CUSTOM-BUILT END-HINGE BOXES

Front end conforms with W8397—W8399 curve of fender. Sits well forward, resting on fender and running board, does not interfere with open door. A very convenient addition to any coach or sedan.

Allows you to carry jack, pump, tools, etc., where you can get to them easily, and quickly. Works perfectly open or closed cars. Hinge at front end so lid will strike body. Size 22 1/4" long by 7 1/2" wide by 7" high. Furnished with concealed tumbler lock. Extra quality and beautiful finish.

W8399—Box, for '26-29 Fords and most other cars. 4

W8397—Box, special for 1925-29 Chevrolet. 4

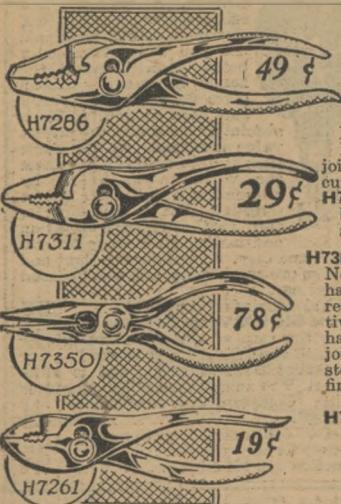
STANDARD STYLE SIDE-HINGE BOXES

For any car where door clears running board so as to interfere with opening the lid. 22" long, 9" 7/8" high.

W8400—Box, complete with outside lock and key .1

W8398—Box, complete with inside lock and key .1

Save 20% to 50% PLIERS Highest Quality for All Purposes



H7286—ALLIGATOR-NOSE Plier; 7". The special shaped nose gives exceptional gripping power, and automatic adjustment to the right taper for gripping round object (like pipe) from $\frac{3}{4}$ to $1\frac{1}{4}$ in diameter. Special carbon-steel; drop-forged construction; knurled handles; slip-joint feature; screw-driver handle; and wire-cutter that really cuts. Accurately machined and fitted; ground finish, nickel plated and polished. One of our most popular pliers

H7275—ALL-PURPOSE Plier; 7". We recommend that every car-owner have this plier in his tool box. Features as follows: slip-joint; a really effective side-cutter with tempered blades; flush tie-bolt, permitting close work; perfect balance; and special shaped handles for power and easy handling. Actual weight $8\frac{1}{2}$ oz. Made of special carbon-steel; drop-forged, machined construction; knurled handles accurately fitted; nickel plated, with highly polished finish

.49 .49

Have good pliers in your kit . . . you use them more than any other tool, and the ones you have should be dependable. Look over our complete stocks of high grade tools and our low prices.

H7261—STANDARD

Plier, $6\frac{1}{2}$ " regular size and shape. High quality drop-forged steel; slip-joint feature; knurled handles; wire cutter. Dull nickel finish, each. **.19**

H7262—Same size and shape as H7261 but of special steel and with ground and polished finish. **.29**

H7350—NEEDLE-NOSE

Pliers. Notice the tapered point to handle delicate and "hard-to-reach" work. Length 6"; effective side wire cutter; knurled handles of special shape; no slip-joint. Made of special spring-steel; scientifically tempered . nicely finished with polished head. **.78**

H7311—STRAIGHT THIN-NOSE

Plier, $6\frac{1}{2}$ ". Long thin nose; knurled handle (one with screw-driver end); wire cutter; slip joint feature. Made of special steel, drop-forged; nickel plated and nicely finished. **.29**

H7276—SMALL STRAIGHT THIN-NOSE pliers, $5\frac{1}{2}$ ". For small objects and close work. Nicely balanced. High-quality drop-forged steel; slip-joint feature and a wire cutter; nicely finished and nickel plated. **.32**

H7285—CURVED-NOSE Plier, $6\frac{1}{2}$ ". Enables you to reach places impossible with ordinary straight pliers. Slip joint feature; knurled handles; and a wire cutter. Special carbon steel; drop-forged, machined construction; accurately fitted; ground finish, nickel plated and polished. **.39**

H7284—TEN-INCH Plier, 10" long. An extra quality, extra strong standard shape plier for extra power and leverage. Special carbon steel; drop-forged construction; knurled handles; slip-joint feature; and a wire cutter. Accurately machined and fitted; ground finish, nickel plated and polished. **.59**

Cutters



Cut very close. Edges perfectly fitted and meet accurately. Extra powerful leverage to cut heavy materials. Very fine for working with insulated wire. In every respect high-grade tools.

H7283—6 $\frac{1}{4}$ " Heavy duty cutter. **.85**

H7291—5" Fine work cutter. **.85**

Cold Chisels



H7287—Cold Chisel, $\frac{1}{2}$ ", 6" long. **.17**

H7288—Cold Chisel, $\frac{3}{4}$ ", 6" long. **.26**

Genuine Crescent Wrenches



J7828—Size 4" **.65**
J7830—Size 6" **.65**
J7831—Size 8" **.80**
J7832—Size 10" **.98**

J7828—Size 12"
J7833—Double-end, 6x 8"
J7834—Double-end, 8x10"

CRESCENT TYPE WRENCHES

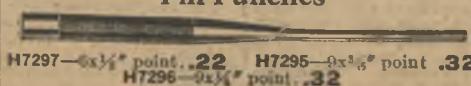
Similar to "Crescent" but not so nicely finished.
H7171—Size 4" .35 **H7174—Size 8"** .50
H7173—Size 6" .39 **H7175—Size 10"** .64

Cold Chisel Punch Set



A $\frac{3}{16}$ " center punch; a $\frac{3}{16}$ "x5" pin punch; a $\frac{5}{16}$ " cold chisel; a $\frac{3}{16}$ "x5" pin punch; and a $\frac{1}{2}$ "x10" cold chisel—all of the highest quality carbon-steel and held in a metal container so that they can't get lost. Every car owner needs them and especially when our reduced price for the entire set is only. **.48**

Pin Punches



H7297—6x $\frac{1}{4}$ " point .22 **H7295—9x $\frac{3}{8}$ " point** .32
H7296—9x $\frac{1}{4}$ " point .32

Stillson Type Wrenches



H7157—Size 6" takes pipes $\frac{3}{4}$ " to $1\frac{1}{4}$ " .49
H7158—Size 8" takes pipes $\frac{1}{2}$ " to 1" .62
H7159—Size 10" takes pipes $\frac{3}{8}$ " to $1\frac{1}{4}$ " .68
H7160—Size 14" takes pipes $\frac{1}{4}$ " to $1\frac{1}{4}$ " .89
H7161—18" with drop forged steel handle. Extra strong for heavy work. **1.18**

Punches



H7293—Center Punch, $4x\frac{3}{8}$ " .15
H7294—Center Punch, $6x\frac{1}{4}$ " .19
H7292—Prick Punch, $\frac{3}{8}$ diameter, 1" long. **.15**

You Need These OPEN END WRENCHES our prices Save You Money



98¢

1.65



12¢
up

21¢
up

110
SET

There is no more useful tool around a car than an open end wrench. Our wrenches are accurately made so as to fit every bolt and nut perfectly. No slipping or rounded corners.

Keep one of these complete sets handy. The holder keeps the wrenches in order and the set offers you the exact sizes needed to fit practically every bolt and nut on your car.

STANDARD SET

A high grade, well made wrench set at a very reasonable price. Drop forged tempered carbon steel. Black enamel finish with ground and polished heads. Twelve open-

ings and 1" Complete with metal holder that will keep the set together and in order.

H7340—Standard Wrench Set .98

SUPER QUALITY SET

A wrench set of the highest quality obtainable. Made of Chrome-Molybdenum steel, strong enough to break any bolt or strip the threads, before the wrench will break. Pear shape jaws that work in "close quarters". Size marked on each opening. **Guaranteed unbreakable.** Set of 5 wrenches in metal holder, same sizes as in H7340 except no 1" and 1 1/2" size. Nickel finish with polished heads. **H7342H—Super-Quality Wrench Set 1.65**

"S" WRENCH SET

The "S" wrench is growing in popularity because its additional length gives greater leverage than the straight type of wrench; set consists of five wrenches, 2 1/2 x 1 1/2", 3/4 x 1 1/2", and 1/2 x 1", in metal carrier. **H7352—S Wrench Set 1.10**

Size	INDIVIDUAL WRENCHES	Chrome-Molybdenum
H7246A	Black Carbon	H7212C
H7240	1/2"	H7207C
H7246B	1/2"	H7213C
H7246C	1/2"	H7208C
H7241	1/2"	H7209C
H7246D	1/2"	H7214C
H7246E	1/2"	H7217C
H7242	1/2"	H7215C
H7243	1/2"	H7218C
H7246F	20	H7216C
H7244	24	H7210C
H7245	29	H7211C

"Perfect Handle"

Strongest and Most Durable Screwdriver Ever Made



For durability and strength this is the finest screwdriver on the market. Made of one solid piece of tempered steel with pieces of hardwood inlaid and riveted to it, forming the handle. You can hammer on the end of this screwdriver without splitting the handle.

H7179—4" blade .29 H7180—6" blade 38

H7181—8" blade 52

SCREWDRIVERS

"Life Time"
Shockproof and Unbreakable



The special steel blade molded into the non-break Shok-Pruf handle. Notice the blade is bent, inside the rubber handle so that it can come loose. Special shaped, slip" handle can be pounded, it will not split.

H7253—2" blade (6 1/2" long)
H7254—4" blade (8 1/2" long)
H7255—6" blade (10 1/2" long)

Electra Four-in-One



6 inches long

Unscrewing the head releases in turn, each of the smaller screw drivers. Tempered carbon steel with shock-proof handle.

H7312—Shock-proof 63

"Standard"



Far better than the ordinary standard screwdriver although our prices are very low. polished tempered steel blade, strongly anchored in nicely finished hardwood handle. Strong steel ferrule.

H7306—Regular 2" blade, small size 10

H7307—Regular 4" blade, medium size 12

H7308—Regular 6" blade, large size 15

"Offset"

A handy screw driver for all close work, where a regular screw driver will not work, very useful where extra leverage is needed to loosen a tight screw or stove bolt. About 6" long.

H7182—Offset Screw Driver .24



Gripper device, that holds screws firmly in difficult places. Starting, is adjustable to all screw sizes up handle out of way when use. 7 1/4" shank, 4" handle.

H7252—Hold-E-Zee Screw Driver

"Hold Easy"

For starting

in difficult places.



H7309—Baby screwdriver, attaching headlamp wires 10¢

H7177—Steel Blade magn. Bakelite, shock-proof h Length 11". Complete

Special! BLOW-TORCH

VALUES

Giant Gasoline Blow Torch



ONLY
\$3.49

Seamless, drawn-brass tank. Pump is in tank, can't become battered, and is much more convenient than pump in handle. Has a patented trouble-proof control needle. Has large generating area. Gives concentrated, blue flame of intense heat, even when throttled low. Can be used at any angle. Is absolutely leak-proof—will last a life time. The biggest blow-torch value ever offered. Every garage, farm and home should have one.

H7575—Gasoline Blow Torch, quart size, 3.49

Ready-to-Use Solders for Every Purpose

Solder in its most convenient forms, because the flux is contained right in the solder. Just clean the surface and apply heat.

Tape



H7506—**Acid Flux.** Especially easy to use for mending wires, flat surfaces, radiators, in corners and etc. Directions with each spool. 60" on a metal spool. .42

Wires



H7501—**Acid Core solder,** 1-lb. spool. .75
H7502—**Acid Core solder,** about $\frac{1}{4}$ -lb. in a box with instructions how to solder properly. .22
H7503—**Rosin Core solder,** about $\frac{1}{4}$ -lb. in a box with instructions how to use. .22

Rosin



Genuine Solder-All



H7507—Just squeeze a little from the tube on the parts to be mended, then apply heat and a perfect job is the result. 3-oz. tube. .18

Cast Iron and Steel Cement

No Heat Required

A metallic iron cement that withstands heat, oils, grease and steam. When hard it contracts or expands like iron. Used in repairing cracks, blow holes, defective cylinders, jackets, radiators, etc.

J7752—Iron Cement, Can. .22

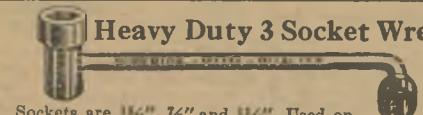
REPARAL METAL

A metallic compound for repairing cracks or breaks in any kind of metal. Fine for cracked cylinder heads, crank cases, etc. Heat part to be repaired, and rub stick of Reparal Metal in cracked hole.

K8149—Reparal Metal, per package. .49



Heavy Duty 3 Socket Wrench



Sockets are $\frac{1}{4}$ ", $\frac{5}{16}$ " and $\frac{3}{8}$ ". Used on drive shaft pinion, front spring clip, hub bolts and nuts, spindle arm and body bolts.

H7112—Heavy-Duty Socket Wrench. .45

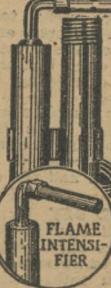
Connecting Rod Clamp Screw Wrench



A wrench of this shape is a real necessity to tighten or loosen the clamp screw that fastens the connecting rod to the piston pin. Length 10".

H7165—Connecting Rod Clamp Screw Wrench. .42

Automatic Alcohol Blow Torch



No Pumping, No Priming, No Blowing

A super-service, extra strong, non-leakable blow torch that is absolutely automatic. For both professional and amateur use. Put a supply of denatured alcohol in the torch, remove the cap, and light. The heat (generates 1,400° in 10 seconds) provides sufficient force to shoot the flame direct to the point desired, up, down, or sideways. 5 $\frac{1}{2}$ inches tall. Also equipped with the new improved (removable) **Flame Intensifier**, which controls the flame and enables you to keep the point of intensest heat steadily on your work.

H7516—**Blow Torch with intensifier complete.** .1.28

H7515—**Blow Torch, without intensifier, as (H7516).** .98

ONE OF THE FINEST
Electric Soldering Irons
AT A SPECIAL SALE PRICE



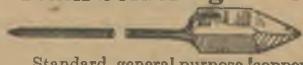
\$158
H7413

Length 12"; removable copper tip; 6 feet of cord; 2-piece plug; 50-watt capacity. Special **nickchrome element** on a lava spool. Gives quicker, steadier heat and lasts longer; **guaranteed 2 years.** Works on any 110-volt current. Always ready.

H7413—**Extra Quality**

Electric Iron 1.58
H7414—**Standard Quality Electric Iron**, with special thin tip (see inset illustration) for reaching close places. 1.20

Plain Soldering Irons



Standard, general purpose, copper soldering irons.

H7497—Soldering Iron, $\frac{1}{2}$ lb. .25
H7496—Soldering Iron, $\frac{1}{2}$ lb. .35
H7498—Wood Handle for soldering iron 5c

Regular Wire Solder



Good quality, clean, solid wire solder.

S319— $\frac{1}{2}$ -lb. roll Wire Solder .30
H7500—1-lb. roll Wire Solder .54

SOLDERING PASTE

H7513— $\frac{1}{4}$ -oz. can. Better than acid. Can damage nothing. Can be kept anywhere. 12

"SPEEDY" WRENCH

With the "speedy" wrench one man can remove all the bolts around transmission cover and engine base without assistance, making it an easy and quick job to reline transmission bands or to get to the inside of the motor. Very extensively used by Ford repair men. Well made of best grade steel, satin nickel finish. Both the brass wrench and the bolt holder have fine machined sockets.

The bolt holder works on a slide on the shank of main wrench and a coil spring holds it securely in place while in use.

H7200—**"Speedy" Wrench.**95

Tap and Drill Set FOR BROKEN CYLINDER HEAD BOLTS

You don't even have to remove the cylinder head—Just slip the steel bushing in the bolt hole and drill out the broken bolt with the special drill; the tap will then clean out the threads leaving them like new.

H7302—**Tap and Drill Set, Standard Size for Model T Fords.** 1.38



Standard
Con. Rod
Wrench

Reaches connecting rod bearings, even the fourth, by simply taking bottom plate off crank case. One of the handiest Model T wrenches made. Makes an excellent rim wrench for Ford car. Made of best grade steel.
H7106—Connecting Rod Wrench. 19

12 Point
Connecting Rod Wrench



12 POINT
CONNECTING
ROD
WRENCH

12 POINT
CONNECTING
ROD
WRENCH

Has 12 corners in place of 6, adapted for use on the 4th connecting rod bolt. It will tighten or loosen the nut easily. Requires only about one-half the space to operate it, that the ordinary wrench requires.

J7892—12-Corner Connecting Rod Wrench..... 42

Ratchet Connecting
Rod Wrench

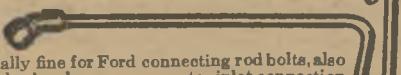


A ratchet connecting rod wrench that will get at the back bearing in a jiffy. Also fits cylinder head bolts, rim lug nuts, etc. Highest quality. Fully guaranteed.

J7793—Ratchet Connecting Rod Wrench..... 1.48

Flexible Joint Wrench

Length 13 1/4 inches. Socket size 1/4-inch hex.



Especially fine for Ford connecting rod bolts, also fits cylinder head cap screw, water inlet connection cap screw. Solid steel.

H7111—Flexible Wrench..... .88

Glass Cutter

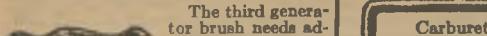
Good standard quality, with special steel wheel; 2 breaker teeth and rounded butt. All steel handle.

H7464—Glass Cutter..... 15

Special Wrench for
Generator Brushes

The third generator brush needs adjusting at intervals. This special wrench gets to it.

H7428—Generator Brush Wrench. 10



Carburetor Wrench

Removing the Ford carburetor has been an exceptionally difficult task. This wrench makes it easy.

H7110—Wrench..... 22

Crank Case Lower Cover Wrench

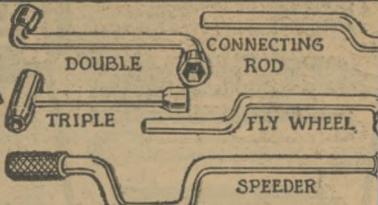
12 3/4" over all; 3/4" socket, for use on crank case lower cover of Ford cars.

H7114—Short Speed Wrench 3/4" socket, each..... 34



**FORD OWNERS
SPECIALIZED WRENCH SET**

REGULAR
\$2.50 VALUE
Special
Sale
Price \$1.28



Special Shapes for the Model T Ford. Do the job quicker and easier, without damage to bolts, nuts, fingers or knuckles.

H7108—DOUBBLE SOCKET OFFSET WRENCH

Sockets 1/4" and 3/8". Fits con. rod clamp, main bearing, fan bracket, steering post, front radius rod and others.

H7128—ENGINE BASE SPEED WRENCH

Socket 1/4", shank 11". Fits transmission cover bolts, engine bolt and others.

H7122—TRIPLE SOCKET WRENCH

Sockets, two 1/4" one 3/8". Fits cylinder head, water inlet and outlet, differential case, axle housing, crank case pan and others.

H7103—FLYWHEEL WRENCH

Socket 1 1/16". A special wrench, designed for work on the flywheel cap screws.

H7106—CONNECTING ROD WRENCH

Socket 1/4". Fits all connecting rods, including the fourth, without removing the engine from the car. Also an excellent rim wrench.

S313—COMPLETE SET OF THE ABOVE 5 SPECIAL

WRENCHES..... 1.28

For the man who don't need the whole set we offer each wrench singly.

H7108—Double socket offset wrench..... 2

H7128—Engine base speed wrench..... 2

H7122—Triple socket wrench..... 2

H7103—Flywheel wrench..... 2

H7106—Connecting rod wrench..... 1

Main Bearing Wrench

1 1/4" SQUARE SOCKET

Length over all 11". Fits bearing bolts. Extra strong and special shape to get to the main bearing bolts easy.

H7109—Main Bearing Wrench.....

SPEED
WREN-
CHES

Length over all 19 3/4 in., handle 6 in.; shank 12 in.

H7128—Socket opening 1 1/4" (fits ball socket joint, crank case arm, engine bolts, cylinder cover, transmission cover and universal bolts on Model T cars), each.....

H7129—Socket opening 1 1/4 inch. (Cylinder inlet and oil cylinder head and many other bolts on Ford cars)

H7130—Socket opening 1 1/4 inch, each.....

Hub Cap Wrench



hub caps, spindle nuts and many more of spark plugs.

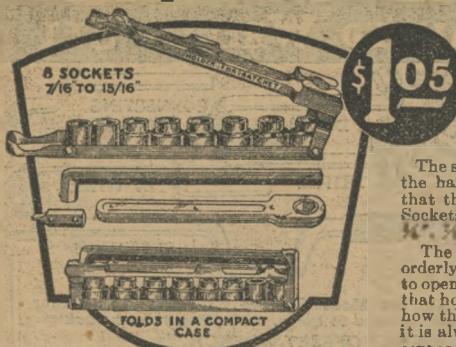
H7186—Hub Cap Wrench.....

T-Wrench

6 inch handle
inch shank; size 1/4".
Fits bolts and nuts
H7128, on page 1

H7116—T-Wrench.....

Improved "Dreadnaught" Wrench Set



39c Socket Set



Consists of a 7" offset handle and 6 sockets case-hardened, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ and $\frac{9}{16}$. Made of tough carbon steel; rust-proof, accurate and strong and will give good service.

H7133—Leader Socket Set, with a leatherette bag for carrying. 39

\$1.05

Notice in the illustration what a compact outfit this is. It is the ideal small set for your tool box; complete and compact, sockets that can not fall out and get lost—always ready, always together and in order, and at a price within the reach of everyone. Every piece is nickel plated to make it rust-proof.

Consists of one extra long (9") and strong ($\frac{1}{2}$ " steel) Offset Handle which is very powerful; one $7\frac{1}{2}$ " Ratchet Handle, well made and very handy and speedy; one short extension which has also a screwdriver point; and eight sockets.

The sockets are made of high grade steel, correctly tempered to stand the hardest work; and are accurately broached and countersunk so that they slip over nuts and bolt heads easily and fit perfectly. Sockets are the following popular sizes: $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{11}{16}$ " and $\frac{13}{16}$ ". The size is stamped on each socket.

The case is strong and is finished in polished nickel. It furnishes an orderly, compact, convenient way to keep the set when not in use. Easy to open—easy to close. It has a patented locking sleeve (see illustration) that holds the sockets and ratchet securely in the case so that no matter how the set is thrown about there can be no parts lost or damaged and it is always ready for use.

H7203—Dreadnaught Socket Wrench Set. 1.05

Tool Roll



Keeps tools in order, prevents them being damaged, stops rattling in your tool box. Made of extra strong duck (khaki color) with triple strength binding on all edges, size 20" x 21". Has 11 pockets strongly stitched. Equipped with web strap and stout buckle.

F6691—Tool Roll. 58

Utility Wrench Set

Set consists of an offset handle $7\frac{1}{2}$ " long, a ratchet handle $7\frac{1}{2}$ " long, and a short extension, together with 8 sockets in the following sizes: $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ " and $\frac{11}{16}$ ", all made of cold rolled steel and nicely finished. Set comes in a strong steel box.

H7588—Utility Socket Wrench set. 72



"KNOCKOUT" WHEEL PULLERS

Pulls any kind of a wheel, even wire, in one-third the time required with any other puller. Leaves axle in perfect condition. Just jack up the opposite wheel, remove axle nut of the wheel to be removed, screw on the "Knock-out", strike sharp blow—wheel is loosened. Can't possibly damage the threads of either hub or axle.

H7367—Fits Ford Model T, Star, Essex 6, Chevrolet 490, and Overland 4. 28

H7368—Fits Chevrolet, '24-30, Dorf, Franklin, Gardner and Maxwell. 28

H7369—Fits Buick 4, Chalmers, Chandler, Cleveland, Chrysler, Columbia, Dodge, Essex 4, Ford Ton Truck, Hudson, Hupmobile, Jewett, Lexington, Moon, Mitchell, Nash, Oakland, Oldsmobile 6, Paige, Studebaker Light 6, Templar, Velse, Wescott and Whippet, 1927-28. 28

H7370—Fits, Auburn, Flint, Moon, Reo, Studebaker Special and Big 6. 28

H7370—Fits, Auburn, Flint, Moon, Reo, Studebaker Special and Big 6. 28

H7360—Wheel puller set for all cars (complete). 98

28
28

28
28

28
28

Rear Wheel Pullers

FOR MODEL T FORD AND CHEVROLET

Simply screw this wheel puller tightly on the Hub Cap threads. Then screw up the center bolt and the wheel is gradually forced off. Does not mar the wheel in any way.

H7361—Size for Ford Model T and Chevrolet 490 (illustrated). 28

H7364—Size for Ford Trucks, Maxwell '24-28, Chevrolet and Pontiac '28-28. 58



Dandy Wheel and Gear Puller

Made of fine quality steel, scientifically hardened and drawn. By changing position of the hooks, either a two, three or four hook puller may be had, to pull any wheel. An extension bar is also furnished, providing for a wide range of adjustments, making it possible to catch the circumference of an 18" brake drum. Regular price \$6.00.

H7366—Dandy Puller. 3.95



Rear Wheel Hub Puller FOR 1928-1930 FORDS ONLY

The Model A Ford car requires a special hub puller. None of the wheel pullers used on previous models can be used, without danger of damaging the bearings in the rear axle.

This is a sturdy, durable and reliable tool, made of malleable iron. Due to its design and construction it will do the job quicker, easier and better than any other hub or wheel puller on the market.

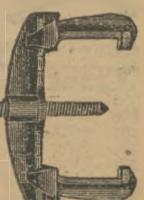
J7765—Puller, for Model "A" Ford Passenger Cars. 65
J7754—Puller for Model "AA" Ford Trucks. 1.35

Leader Gear Puller

For pulling transmission, timing, differential, magneto, generator and other light gears. Pulling hooks are long and will take gears 3" thick. They are adjustable on the slide-bar to take diameters up to 6". Screw is 8" long.

D6188—Leader Gear Puller, comp. 2.45

SPECIAL PULLING HOOKS
6" pulling hooks for use with gear wheels, etc., more than 3" thick. (Shipped from factory). Per pair. 1.25



SOCKET WRENCH SET

FIRST: We want to call your attention to the completeness of this set. Thirty-one sockets with the size stamped on each: 23 of them Hexagon ranging from $\frac{1}{8}$ " to $1\frac{1}{4}$ "; 8 of them Square, fitting square head bolts and nuts from $\frac{3}{8}$ " to $\frac{7}{8}$ ". In addition there are: 1 powerful screwdriver socket; 1 adjustable valve grinder socket; 1 socket for working on Alemite fittings . . . and 3 special sockets for removing drain plugs, etc. The handles also fit every need: 1 long speeder (19"); 1 power brace (14"); 1 ratchet (9 $\frac{1}{2}$ "); 1 quick adjustable combination offset and T (length adjustable); 1 long extension (7 $\frac{1}{2}$ "); 1 short extension (1 $\frac{1}{4}$ ") and 1 universal joint. There are also 3 special open-end ignition wrenches that you will find mighty useful.

HIGH QUALITY AND UTILITY—LOW PRICE

Our enormous buying-power enables us to offer this set now at an extremely low price. We are not sure just how long we can continue to offer this low price and we recommend that you get your set at once.

H7589—Complete 47 piece set in stout steel box, now only

Special 36 Piece Set

Identically the same quality and carries the same liberal guarantee for service and satisfaction as our 47 Piece Wrench Set except the following pieces have been left out: 2 hexagon sockets, size $\frac{1}{8}$ " and $1\frac{1}{4}$ "; the screw driver bit; the power brace; the Alemite fitting tool; the 3 special sockets for removing drain plugs, etc.; the 3 ignition wrenches; and in addition the Offset handle is not a combination-adjustable but just a plain offset. You can see that this is a mighty complete set and will fill most of your needs . . . and it is a real bargain at our reduced price.

H7586—36 piece wrench set in a steel box, complete **2.95**

Individual Parts for Above Wrench Set

For the man who don't want the whole set we offer each piece as follows:

HANDLES

H7220—Long Speeder **39**
H7591H—Combination T and Offset handle. Length is adjustable for more or less leverage as needed and in addition can be made into a T handle. **39**

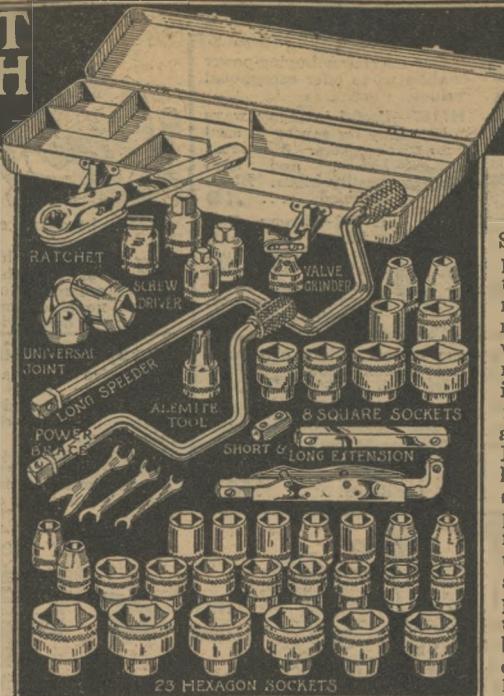
H7591C—Power Brace handle **39**
H7591D—Ratchet **43**
H7591E—Universal joint **35**
H7591F—Short extension **11**
H7591G—Long extension **15**

H7225— $\frac{1}{8}$ " Hex. **9c** **H7231**— $\frac{3}{8}$ " He. **9c**
H7226— $\frac{1}{4}$ " Hex. **9c** **H7232**— $\frac{1}{2}$ " He. **9c**
H7227— $\frac{5}{16}$ " Hex. **9c** **H7234**—He. **9c**
H7229— $\frac{3}{16}$ " Hex. **9c** **H7232**— $\frac{5}{8}$ " Sq. **9c**
H7230— $\frac{11}{16}$ " Hex. **9c** **H7228**—Sq. **9c**

SPECIAL Hexagon Jaw Pliers

Special shaped jaws and quick adjustment permit quick work on hex nuts up to $1\frac{1}{4}$ " without rounding off the corners of the nut or bolt. Especially fine for battery post nuts. Front is excellent for pulling cotter pins.

H7259—Hex Jaw Pliers, nickel finish **48**



47 PIECE SET
Now ONLY
\$395

SECONDLY: We want to point out how, if you buy this set, you will probably never need to buy more wrenches. Every wrench you can possibly need—always at hand in order where you find it. Think of the time and effort it will save. Every part is an large and strong; made of special steel with polished nickel plating making them practically rust-proof. Sockets are especially toughly hardened tempered and accurately broached. Square ends ($\frac{1}{2}$ ") each one locking ball so that so snap on or off instantly.

EVERY PIECE FULLY GUARANTEED

The high quality materials and excellent workmanship enable us to guarantee this set fully and we will be free of charge any part of the set that becomes broken through use.

H7589—Complete 47 piece set in stout steel box, now only

Set for Model A Ford Owners

Specially selected sockets and handles to enable Model "A" Ford owner to do the common "up and down" on his car quickly and easily. Same quality as our 47 Piece Wrench Set; same guarantee. (Consists of the Rat handle; the quick adjustable, locking, Combination and T handle; the long extension; the short extension (with special screw-driver end); and 13 sockets as follows: 10 hexagon sizes $\frac{1}{8}$, $\frac{5}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$ and 1 plug socket for removing drain plugs. All in a special steel box.

H7578—Model "A" Socket Wrench Set, complete **1.15**

Loosen Nut Compound

When a nut rusts on, or where rust "freezes" anything, a few drops of either of these oils will penetrate and loosen so the nut or part can easily be moved. Both are good oils but we recommend the Penetreen because you get so much more for your money and it may also be used as machine oil, or to mix with transmission grease, etc.

G6939—Genuine Warners Penetreen, 16 oz. in spout top can. **68**

J7753—Loosen Nut Oil, 6 oz. in spout top can. **39**

Tap and End WRENCH SET



Five specially hardened steel end wrenches with openings ranging from $\frac{1}{4}$ " to $1\frac{1}{4}$ ", having also openings for use as wrenches, fitting the popular sizes.

H7328—Set of 5 wrenches,

Western Auto Supply Co.

HACKSAWS and BLADES



Our enormous buying-power enables us to offer exceptional values

H7167—Useful in many ways especially for sawing in hard to reach places. Aluminum handle and high quality blade. Blade included. .19

H7343—Strong steel frame, adjustable to fit blades from 8" to 12" long. Can be set to saw in any one of 4 directions. Tension on blade

adjustable by turning handle. Complete with blade. .26

H7341—A high-grade saw in every respect. Nickel plate steel frame; adjustable. Thumb-nut tension screw. Comfortable pistol grip handle. Complete with one 8" blade. .45

GENUINE STAR HACKSAW BLADES

Star blades are probably the best known and most satisfactory on the market. Those we offer are 24 teeth to the inch.

H7344—8" size each. .5c Per dozen. .35
H7346—10" size each. .7c Per dozen. .55
H7347—12" size, each. .8c

.65



BALL PEIN HAMMERS

H7321—12 oz. .29 **H7322**—16 oz. .35
H7339—24 oz. .55

CLAW HAMMERS

H7305—Straight Claws, 16 oz. .79
H7304—Bent Claws, 16 oz. .79
H7195—BRONZE Hammer, soft bronze head, hickory handle, for working on gears, axles, fenders and other parts that a steel hammer would ruin. .69
H7251—RUBBER Hammer, one piece rubber head and handle. For changing tires, body dents, etc. .55

HAMMER HANDLES

H7318—12" handle for 8 oz. Ball Pein hammer. .10
H7323—11" handle for 12 oz. Ball Pein hammer. .10
H7324—11" handle for 16 oz. Ball Pein hammer. .10
H7325—16" handle for 24 oz. Ball Pein hammer. .10
H7326—14" handle for 16 oz. Claw hammer. .10

FILES

The very highest quality, specially hardened, with deep, clean cut teeth. Made by one of the largest file manufacturers.

H7335—3 cornered file, 6" long, tapered. .14
H7333—Round file, 6" long, tapered, fine. .14
H7334—Round file, 10" long, tapered coarse. .24
H7332H—Half-Round file, 10" long, slightly tapered. .35

H7338—File Handle. Strong cast steel with set screw to lock file in handle. Allows a better grip and far more comfortable. .10

Cotter Pin Extractor

For extracting cotter pins and for spreading the split ends. Made of $\frac{3}{16}$ -inch square steel, pointed on one end and flattened like screw-driver on other end. **H7535**—Cotter Pin Extractor. .10



THREE CORNERED ROUND

HALF ROUND

H7331—Flat file, 6" long, fine. .14
H7332—Flat file, 10" long, medium. .24
H7329—Flat file, 12" long, coarse. .30

Tin Snips



A forged steel tool of high quality and fine workmanship. $2\frac{3}{4}$ " jaw, total length 10". **H7258**—10" Tin Snips. .78

Bench Vises

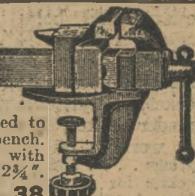
A sturdy, well made vise with extra strong guide and screw. Jaws have knurled steel inset for holding work firmly and to prevent chipping. Pipe jaws conveniently located. Three holes provided for attaching base to bench. Vise can be instantly turned on swivel base and set at any angle. Width of jaws $3\frac{1}{4}$ " in.

H7484—Bench Vise (as illustrated). .305

H7485—Bench Vise, only about half as large. No swivel base or anvil. no pipe jaws. Width of jaws $3\frac{1}{2}$ inches; vise opens 4 inches. For light work. .128

Sturdy Clamp Vise

Oversize steel jaws welded on; head of main screw is forged to screw. Screw is cold rolled steel. Can be easily and quickly clamped to running board or work bench. Enamel finish. Furnished with $2\frac{1}{2}$ -inch jaws that open $2\frac{1}{4}$ ". **H7481**—Clamp Vise. .138



Fender Repair Tools

High Quality



With these you can smooth up any fenders.

H7191—Mallet, fiber head ($2\frac{1}{2} \times 4\frac{1}{2}$ ") will not damage metal, will not split, and yet is heavy enough for efficient work. Hardwood handle. .85
H7192—Hand Dolly, for working in corners and around flange. All sides ground smoothly. .65
H7193—Hand Anvil, for smoothing any flat or rounded surfaces. All sides smoothly ground. .65
S314—The 3 tools shown above are essential for good work; therefore we offer them in a complete set of 3 tools. 1.85
H7194—Smoothing Hammer, special for smoothing up surface after the fender is back in shape. .79
H7251—All Rubber Mallet, one piece head and handle, 2" face, 12" handle. .55
H7195—Bronze Hammer, 1 lb. soft bronze head. .69

FILES

We have a length and shape for every purpose. Buy your files from Western Auto and save money.

H7331—Flat file, 6" long, fine. .14
H7332—Flat file, 10" long, medium. .24
H7329—Flat file, 12" long, coarse. .30

Folding Wood Rule

Standard quality, 6 foot wood rule, marked in 16ths. Quick action locking device holds straight and rigid in use. Finished in yellow, black figures and marking. **H7316**—6 foot rule. .28



Wizard Radio B' Batteries

Extra quality and long life are built right into every Wizard Radio Battery. Made under the most improved, scientific methods by one of the largest nationally known factories. Each battery is thoroughly tested before it leaves the factory, and then tested again before it leaves our store. These tests and our rapid turn-over insure full strength batteries, clear reception, and longer life. We urge you to be careful in selecting your "B" batteries. Too low a price often means inferior or old shop worn batteries. Use "Wizards" and be sure.

C5696—Standard capacity "B" Battery, 45 volts, size 8 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 4 $\frac{1}{2}$. 1.58

C5994—Jumbo capacity "B" Battery, 45 volts size 8 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 4 $\frac{1}{2}$. We recommend Jumbo batteries because they give better reception and are far more economical in the long run. 2.38

C5705—Square-Built Jumbo "B" Battery, with square cells instead of round, much greater capacity and longer life, size 8 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 4 $\frac{1}{2}$. 3.45

C5695—Junior "B" or "C", 22 $\frac{1}{2}$ volts .98

C5697—"C" Battery, 4 $\frac{1}{2}$ volts .30



Why Pay?
More

TRY WIZARD TUBES 30 DAYS AT OUR RISK

Thousands now in daily use; giving clearer reception and deeper, richer tone to thousands of radios. That is why we know that you will like them.

Made by a large, well-known factory, under the latest improved methods. And the big thing is that they are standard, recognized construction (like Radiatron and Cunningham's)—no "freaks" or "frills," to cause trouble. Every tube double-tested before leaving the factory. Enormous volume and direct-buying enables us to offer low prices and to always furnish you strictly fresh tubes.

WHY PAY HIGHER PRICES?

WZX201A—6-volt detector and amplifier. .78

WZX171A—6-volts; requires 135-180 volts of "B" and 18-42 volts of "C". 1.38

WZX199—4 $\frac{1}{2}$ -volt dry cell type, 2 prongs. .98

WZX200A—Extra Powerful Detector. 6-volt, $\frac{1}{4}$ ampere. Use only one to a set. 1.58

WZX112A—6 volts; requires 135 volts of "B" and 9 volts of "C". Greater volume; purer tone. 1.48

WZX210—Power Amplifier, requires 6-8 volts "A", 90 to 425 volts of "B". 3.65

WZX226—Amplifier only. For use with A.C. sets. 1.20

WZY227—Detector only. For use with A.C. sets. 1.78

WZY224—A.C. Heater type screen grid detector amplifier. 2.95

WZX245—Amplifier only for A.C. sets 2.65

WZX280—Full wave rectifier for A.C. up to 220 volts. 1.95

For "B" eliminators. 1.95

WZX281—Half wave rectifier for A.C. up to 550 volts. For "B" eliminators. 3.35

Just try Wizards, that's all we ask. . . and then if reception is not everything you want just bring or send them back and we will refund every cent.

WIZARD RADIO "A" BATTERIES



Built especially to the needs of radio. Thick plates insure long and more even flow of rent. One piece molded is sweat-proof, leak-proof acid proof. Absolutely leak in operation. terminals and bail he Backed by our un additional guarantee f years. Fully charged b leaving our stores.

S449—75 ampere. Size 7 $\frac{1}{2}$ x 7 x 9 $\frac{1}{2}$
S450—100 ampere. Size 9 $\frac{1}{2}$ x 7 x 9 $\frac{1}{2}$
S451—125 ampere. Size 10 $\frac{1}{2}$ x 7 x 9 $\frac{1}{2}$

DRY CELLS

Standard dimensions and capacity; 1 $\frac{1}{2}$ exceptionally long life. One big advantage of this offer is that every battery is new, fresh and tested to insure full strength.

C5704—Dry Cells, each.

6 VOLT SURE-SHOT BATTERY

Consists of 4 standard dry cells properly connected and bound together in a steel case with carrying handle. Only 2 connections to make.

C5708—Sure-Shot Battery, ea. 1.74



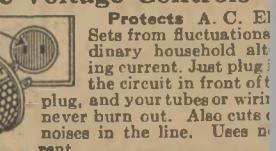
Test Clips

For charging, testing, or making temporary connections. Made of steel, lead coated to prevent corrosion.

C5642—Clip 3 inches long, each. .14;
6 for. .72

C5642S—Clip 1 $\frac{1}{4}$ " long, each 5c; 6 for. .24

Protects A.C. El Sets from fluctuations in the household alternating current. Just plug the circuit in front of the plug, and your tubes or wires never burn out. Also cuts noise in the line. Uses no rent.



C5860A—Voltage Control for small sets using from 50 to 125 watts.

C5860B—For sets using up to 250 watts.

Radio Wires

C5879—Aerial Wire, 7-strand, 22 gauge pure copper, 100 foot roll. .48

C5875—Lead-in Wire, 14 gauge single wire with extra thick insulation. Per ft 2c; 50 ft. roll. .55

Battery Testers

C5713—Voltmeter for testing "B" batteries, tests up to 50 volts .53

C5711—Ammeter for testing dry cells and sure shots .48

C5712—Charge Indicator for Radio "A" Batteries. Tells condition of charge without necessity of testing acid. Safer, cleaner, quicker than hydrometer. .72

